

NF MICROCRYSTALLINE

Koster Keunen NF Microcrystalline Waxes follow the US Pharmacopeia requirements. They are characterized by their fine crystalline structure in contrast to the larger crystalline structure of paraffin wax. They contain long, branched hydrocarbon chains which correlate to a higher molecular weight. Microcrystalline is more flexible, less oily, has higher tensile strength, more adhesion, and higher melt points than paraffin wax. These waxes have excellent gelling properties, and we carry an assortment of different specifications to best fit formulators' requirements.

CHEMICAL PROPERTIES

PRODUCT NAME	PRODUCT CODE#	MELTING POINT	CONSISTENCY	PENETRATION	CONGEAL POINT
METHODS		USP 741	USP/NF	ASTM D1321	ASTM D938
Microcrystalline 193/198 NF	118	82.2-92.2°C	3-100 dmm	5-9 dmm	179-197°F
Microcrystalline 170/180 NF	140	170-180°F	3-100 dmm	25-35 dmm	N/A
Microcrystalline 150 NF	841	150-160°F	3-100 dmm	20-35 dmm	148-162°F
Microcrystalline 145/155 NF	461	N/A	3-100 dmm	20-30 dmm	143-154°F

NF Microcrystalline Meets the Requirements of the following USP/NF Tests: Color, Residue on Ignition, Organic Acids; Fixed Oils, Fats and Rosin; Acidity and Alkalinity.

FORMULATION GUIDELINES

Microcrystalline waxes are non-toxic, non-irritating and compatible with various chemistries from natural, mineral, and synthetic raw materials. NF grade microcrystalline wax is used in personal care, pharmaceutical, nutritional and food applications.

REGULATORY

INCI NAMES: Microcrystalline Wax,
Hydrogenated Microcrystalline Wax

CAS#: 63231-60-7, 64742-60-5

EINECS#: 264-038-1, 265-163-4

KOSTER KEUNEN CODE#: 118, 140, 841, 461

MINIMUM SHELF LIFE: 2 Years

MANUFACTURED: Watertown, Connecticut, USA

- NOT TESTED ON ANIMALS
- KOSHER
- ORGANIC
- GMO FREE
- NPA
- GRAS

CANADA: Listed
JAPAN: Listed/Unknown at time of print*
CHINA: Listed
AUSTRALIA: Listed
REACH: Registered

* Microcrystalline 145/155

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